

FIREPLACE DETAILS



Compliments of
Colonial Fireplace Company
Chicago, Illinois

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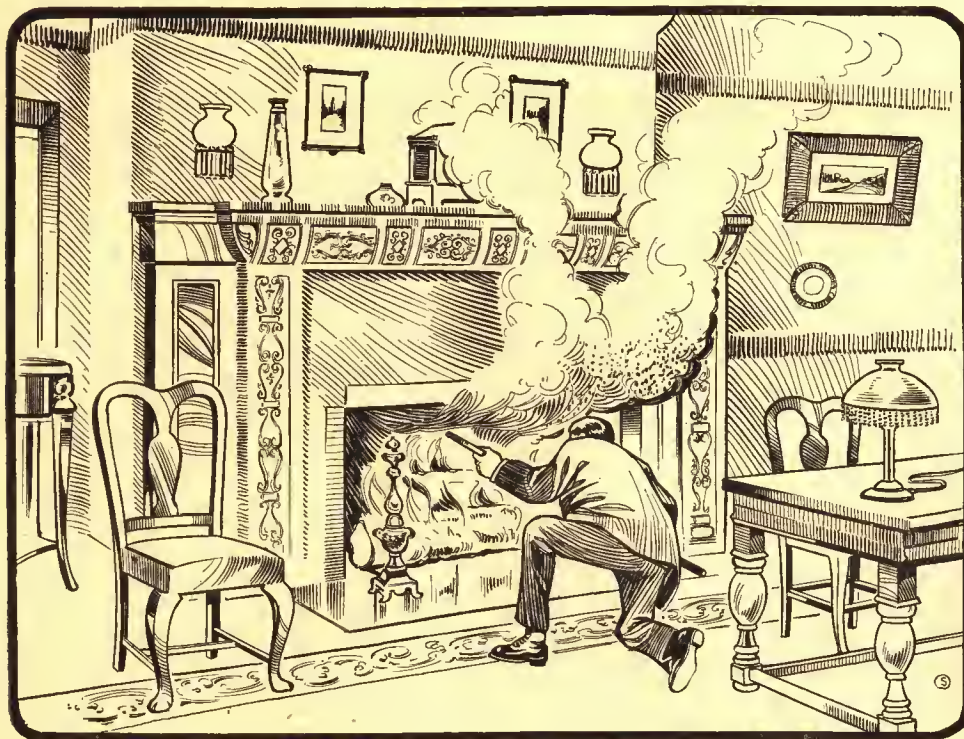
DETAILS OF FIREPLACE CONSTRUCTION DRAWN UNDER DIRECTION OF EXPERT AUTHORITY



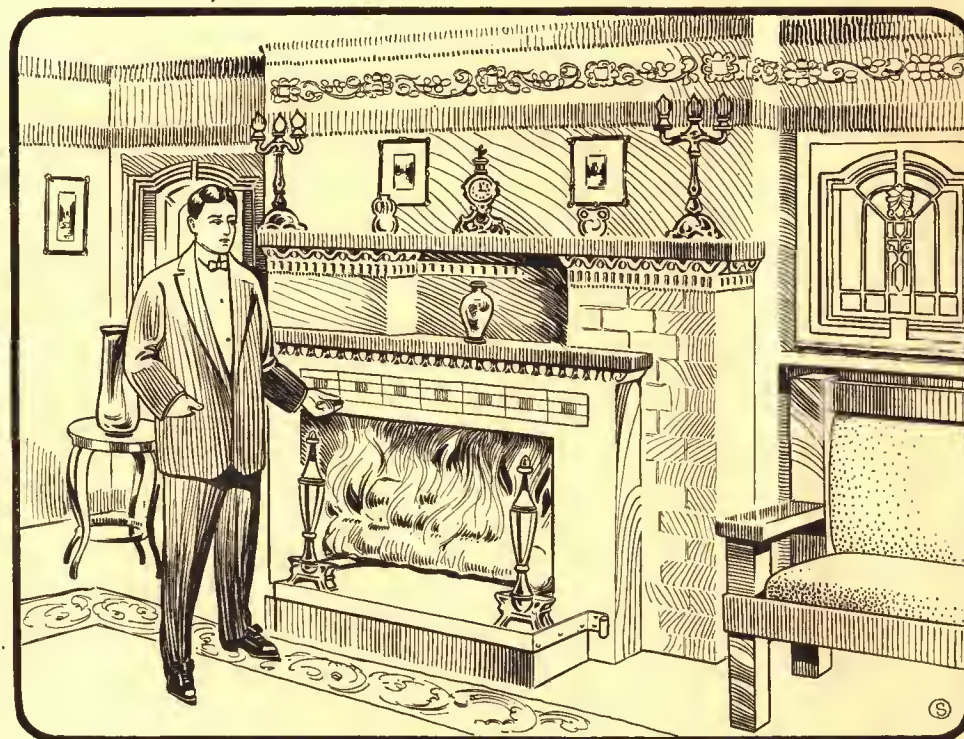
COLONIAL FIREPLACE COMPANY

West 12th Street and 46th Avenue

Chicago, Illinois



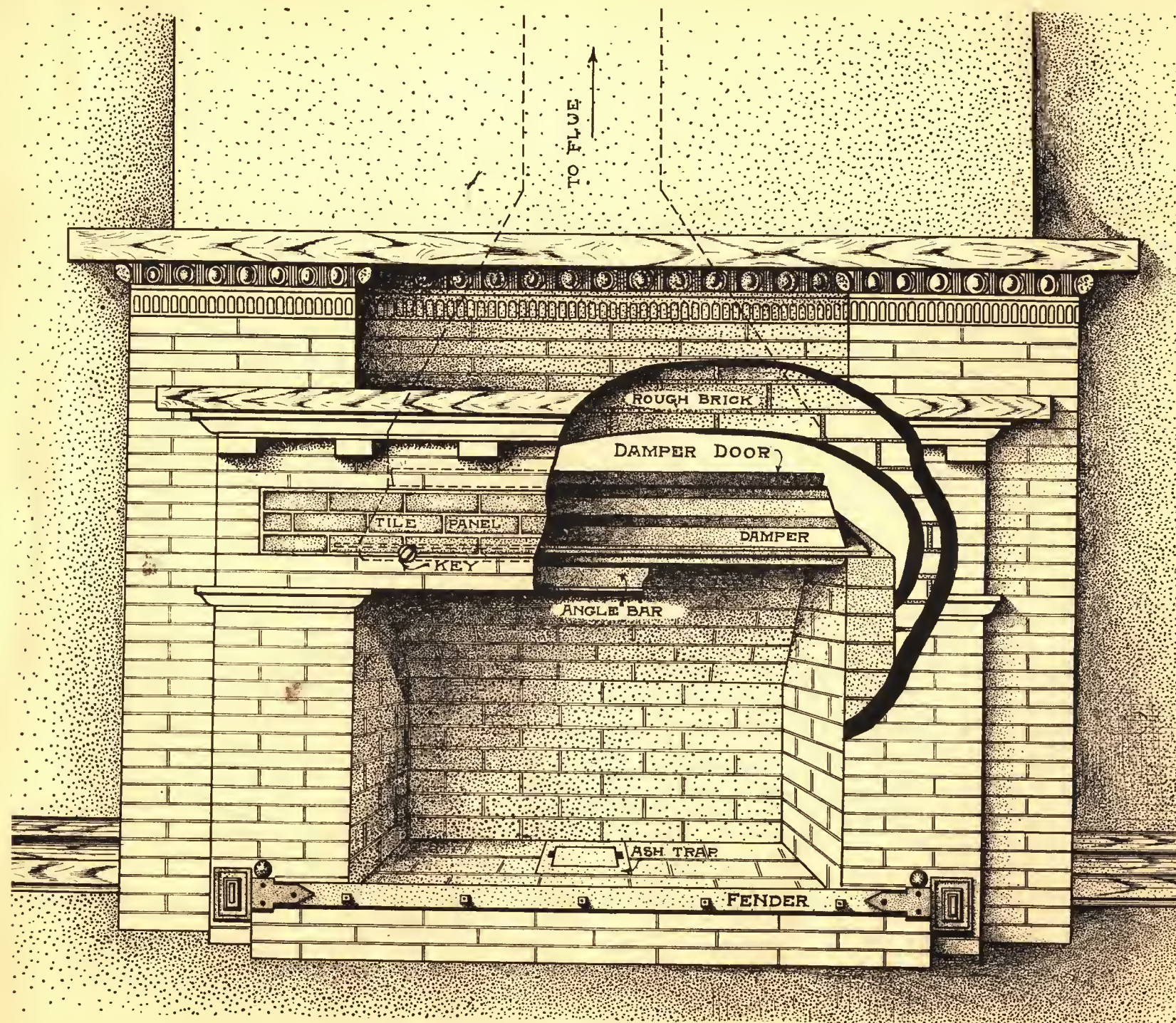
THE OLD WAY



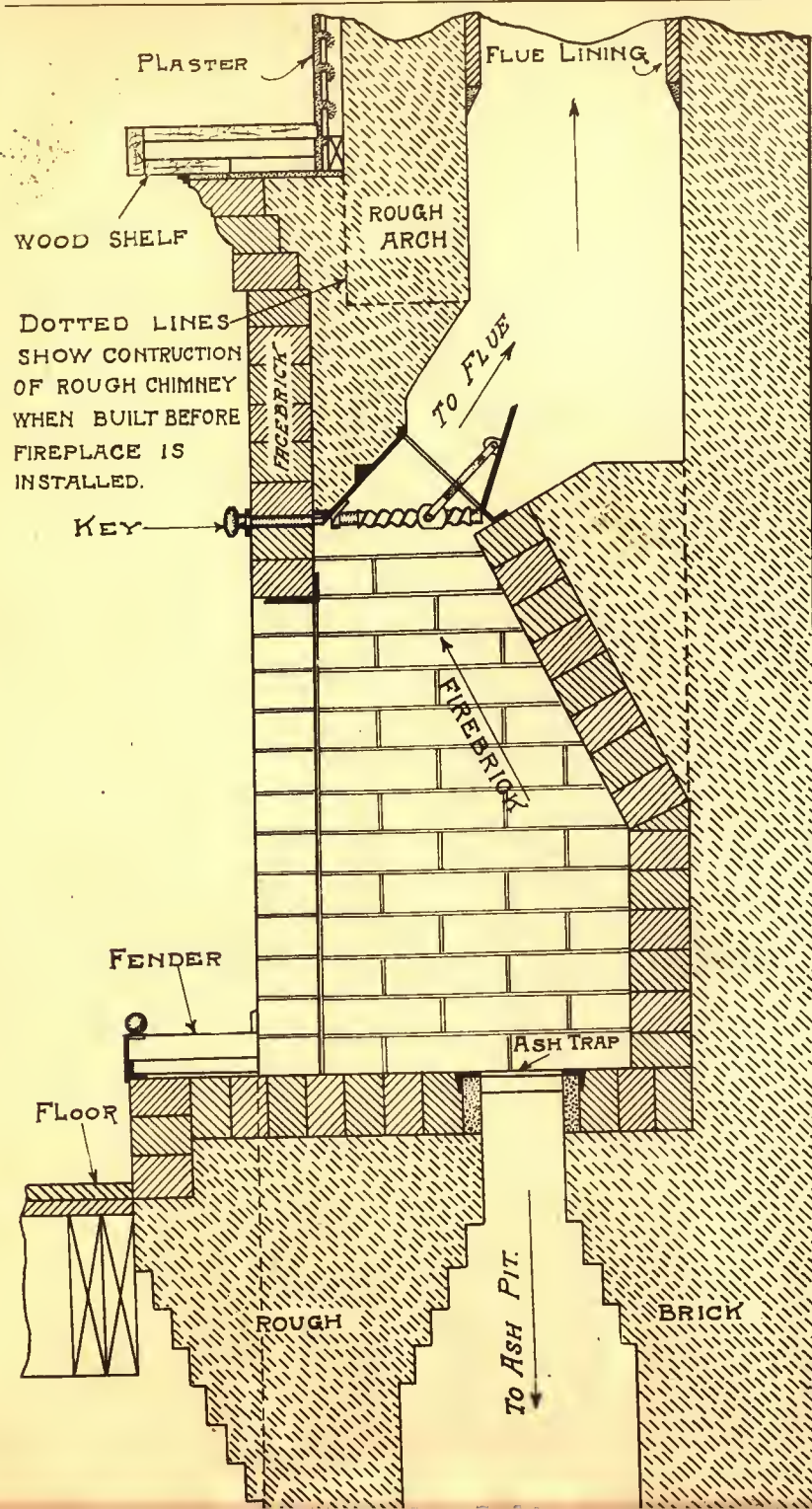
THE NEW COLONIAL WAY

The Heart of the Home is the Fireplace

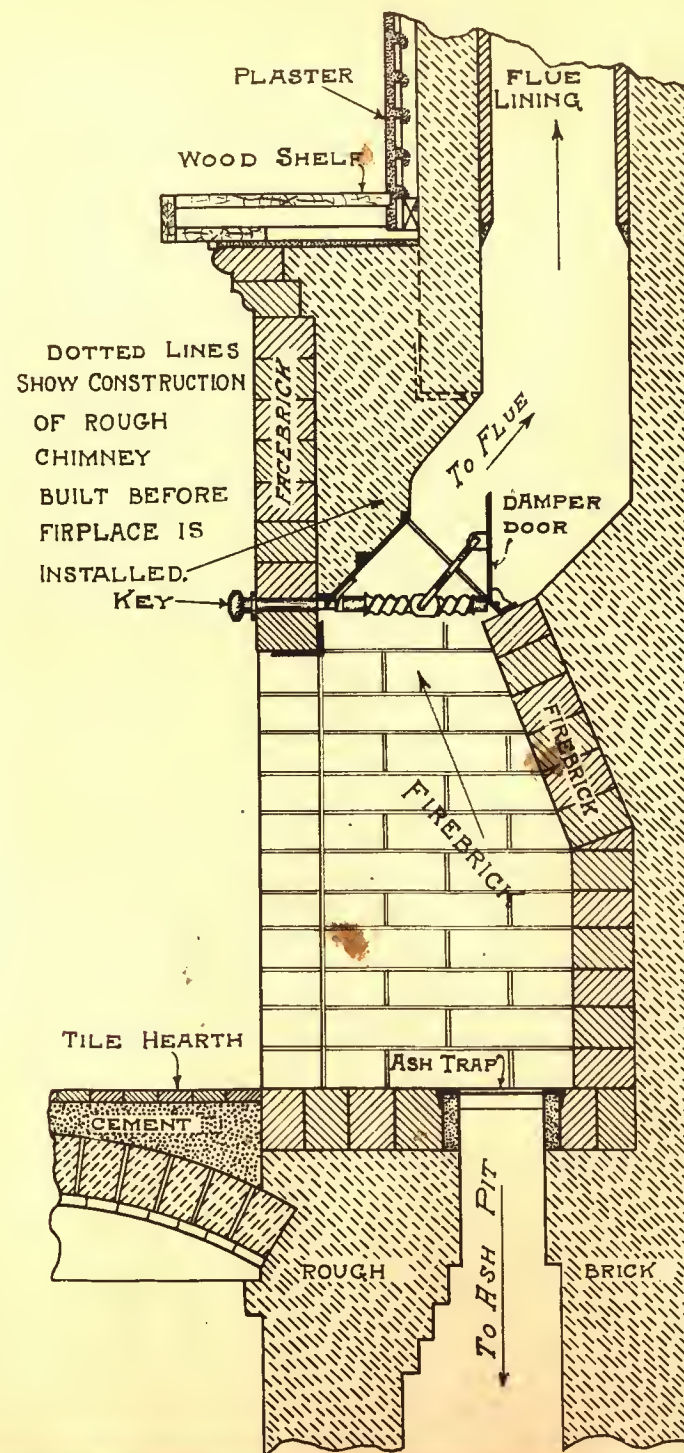
The Brains of the Fireplace are in the COLONIAL HEAD



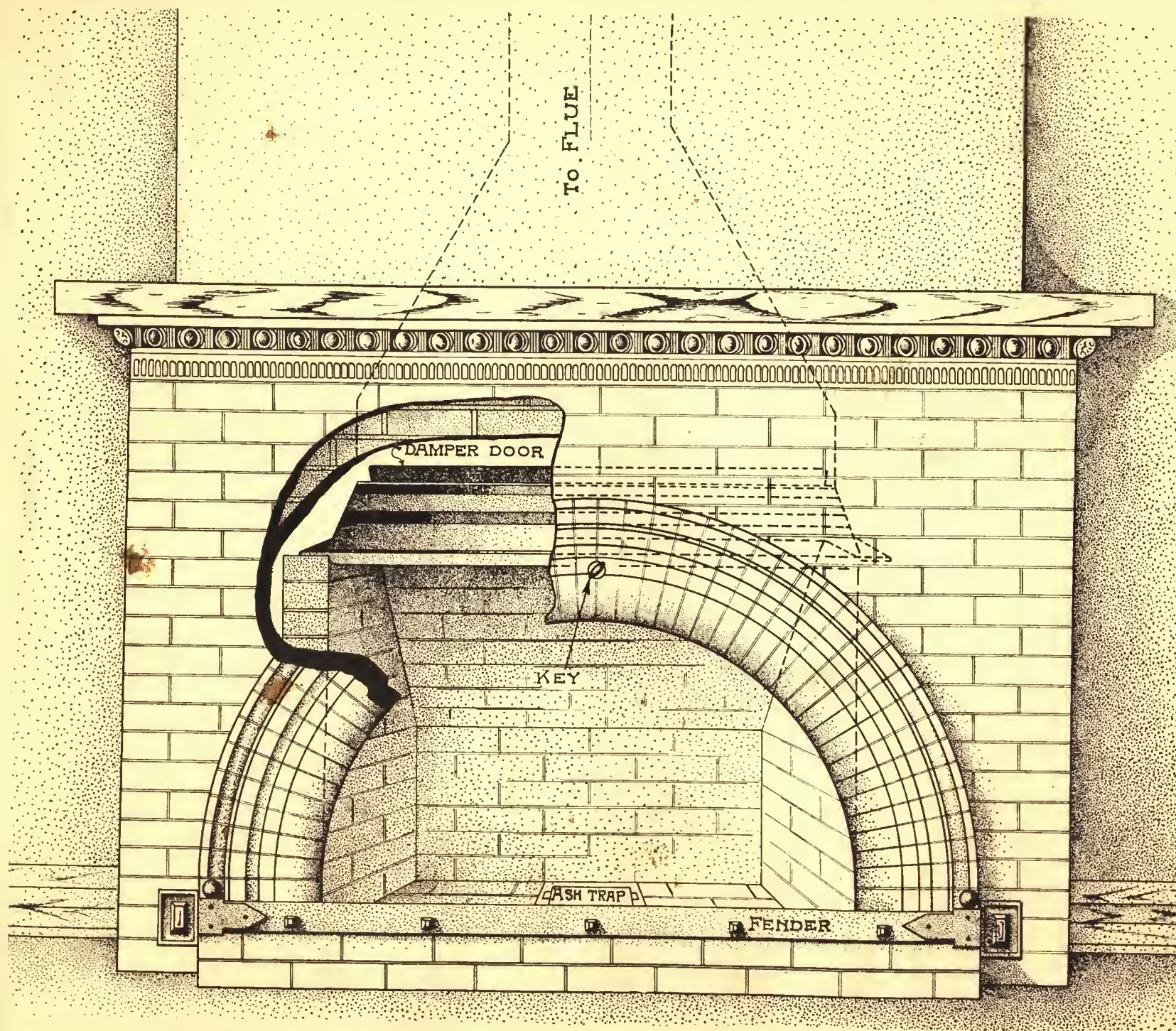
Fireplace with square opening. Broken to show Head and Damper set in position. Drawn to one inch scale.



Section of Fire-
place with
Raised-Hearth
showing
Colonial Head
set two courses
of Brick above
opening.
Scale one-inch
one foot



Section of Fire-
place with Floor
Hearth showing
Colonial Head
set one course
of Brick above
opening.
Scale one-inch
one foot.



Fireplace with
Moulded Brick
Arched opening. Drawn to
one-inch scale,
and broken to
show Colonial
Head set in
position.

THE COLONIAL HEAD THROAT and DAMPER

PATENTED JUNE 29, 1909
Other Patents Pending

At last it is possible for you to furnish every one of your clients with a fireplace which you can guarantee in advance will be absolutely satisfactory **in every single particular.** No chance for an inexperienced or careless mason to spoil a carefully designed fireplace through failure to follow your plans.

The Colonial Head Throat and Damper combined is the result of 20 years' experience in the construction of fireplaces and the development of practical ideas along scientific lines.

It has passed the experimental stage and demonstrated itself to be the most simple and effectual damper on the market.

The Colonial Head is so constructed that expansion and contraction are provided for. It is the only damper on the market that covers this important point.

It insures the greatest amount of heat radiation with the most perfect smoke escapement.

In addition to this, it is the most economical damper made, as it saves its entire price in the cost of erecting the fireplace.

It is so easily operated that any child can manipulate it and perfectly adjust the draft and escapement. The key may be brass, or antique copper plate, or black finish as preferred. Antique copper finish will be furnished unless otherwise specified.

The damper door and screw attachment may be easily taken out, making it possible to remove any accumulation of soot or mortar.

This damper is located at the most vital point in the fireplace. Nothing is so important as to have perfect construction where the fire opening joins the flue. A mason experienced in fireplace building will often spend more time in forming this portion or throat of the fireplace than would pay the entire cost of a Colonial Head, and in the end, the durability and efficiency of his work is not to be compared with that obtained through this simple and scientific contrivance.

The smooth iron surface of the Colonial Head offers no resistance to the smoke, while its peculiar form separates the heat units and with the least loss reflects them into the room.

By using one of these dampers, it is not possible for a mason, inexperienced in fireplace erection, to make a mistake in building the fireplace at its most vital point.

The Colonial Head is cast in sections of the best gray iron stove casting, and is so arranged that it will not when heated affect the brick work, affording protection against the possibility of fire where fireplace facing is joined to the chimney. It is made very heavy in order to sustain great weight.

When backing up with common brick, the center rib or ledge prevents the backing from settling down and pushing the facing outward, an important feature covered by no other damper made.

Number 0 may be used if desired to carry face brick across opening without angle-bar, and is the only size made in one piece.

		FIREPLACE OPENING	PROPER SIZE OF FLUE									CODE WORD
No. 0	For opening	24 to 28 inches wide	8 x 8	One Piece Head						\$ 5.50		Duke
No. 1	" "	29 to 32 " "	8 x 12	Built in Sections for Expansion						6.80		Prince
No. 1A	" "	33 to 35 " "	8 x 12	" " " "						7.50		Valet
No. 2	" "	36 to 38 " "	8 x 12	" " " "						8.15		Regent
No. 2A	" "	39 to 41 " "	8 x 16	" " " "						8.90		Butler
No. 3	" "	42 to 44 " "	8 x 16	" " " "						9.55		Queen
No. 3A	" "	45 to 47 " "	8 x 16	" " " "						10.50		Page
No. 4	" "	48 to 52 " "	12 x 12	" " " "						11.25		King
No. 5	" "	52 to 58 " "	12 x 12	" " " "						13.75		Rex
No. 6	" "	58 to 64 " "	12 x 16	" " " "						16.00		Czar

We recommend setting the larger sizes higher up in the throat (one or two courses of brick) using an angle-bar to carry face brick over the opening.

Deduct \$1.00 from above quotations if ratchet style is wanted.

Prices include CRATING and DELIVERY to depot and are SUBJECT TO DISCOUNT.

For convenience in TELEGRAPHING ORDERS use CODE words to designate SIZE of damper wanted.

Orders for EXPRESS delivery received before noon will be shipped the same day.

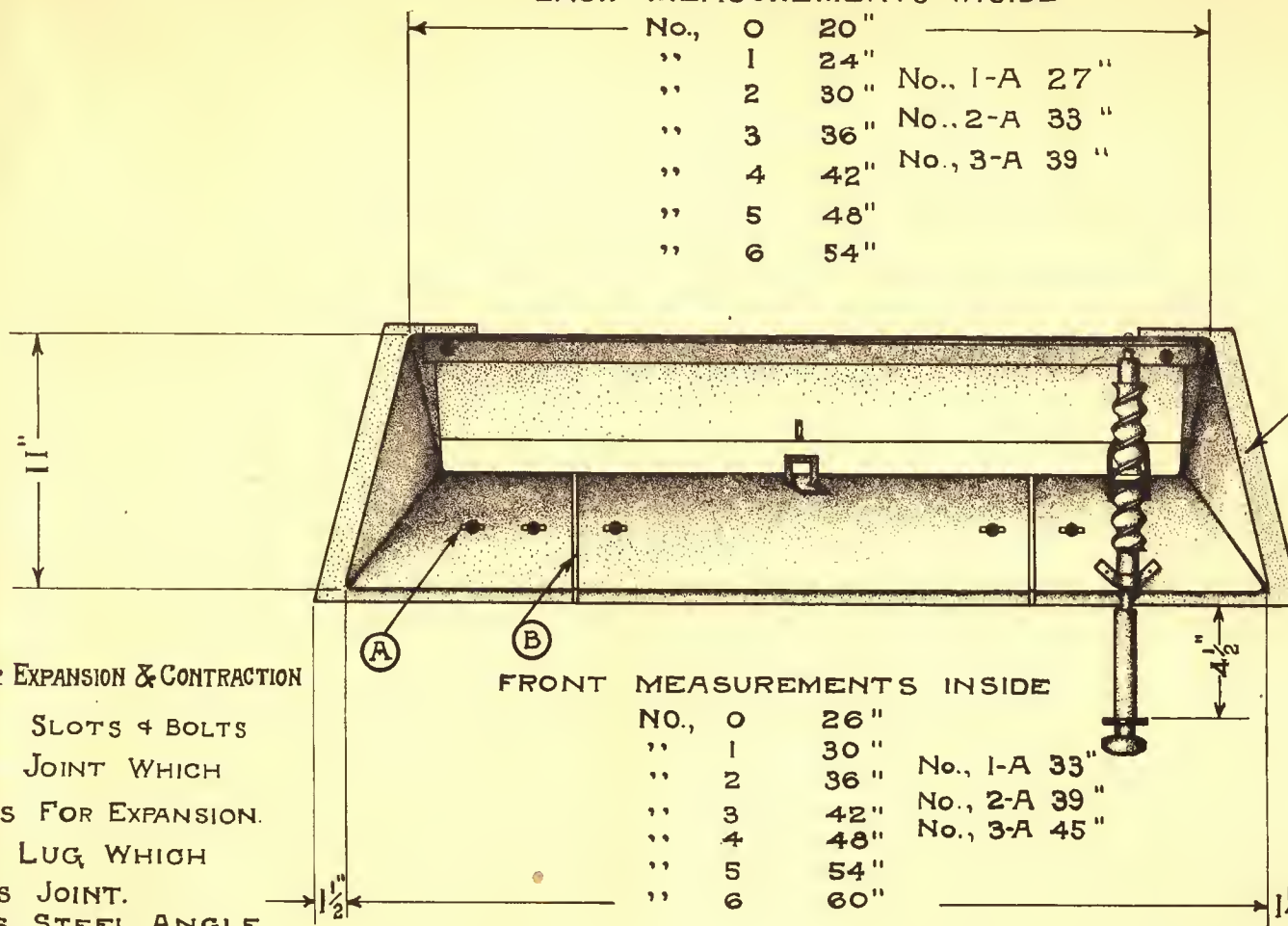
Orders for FREIGHT delivery will be shipped the following day.

It is the best Head Throat and Damper made for an open fireplace.

BACK MEASUREMENTS INSIDE

No.,	0	20"	
"	1	24"	No., 1-A 27"
"	2	30"	No., 2-A 33"
"	3	36"	No., 3-A 39"
"	4	42"	
"	5	48"	
"	6	54"	

BASE FLANGE OF HEAD
WHICH RESTS ON
FIREBRICK LINING

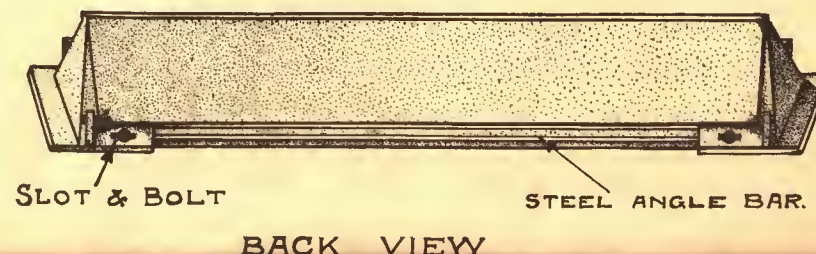
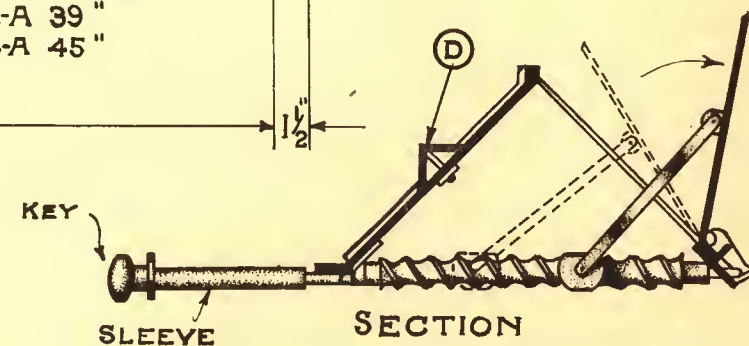
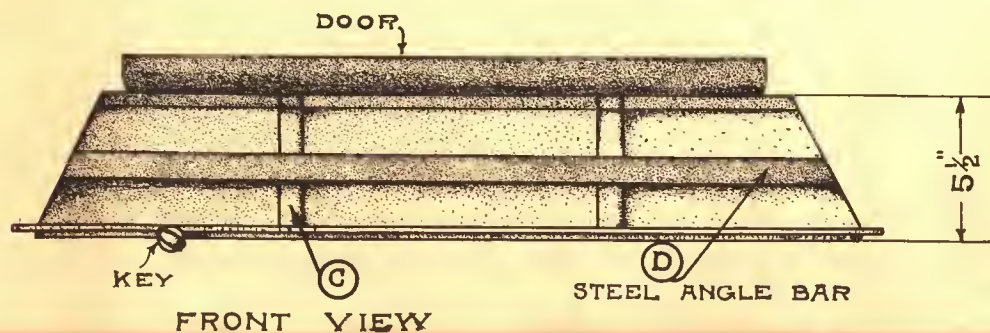


PROVISIONS FOR EXPANSION & CONTRACTION

- "A" SHOWS SLOTS & BOLTS
- "B" SHOWS JOINT WHICH
ALLOWS FOR EXPANSION.
- "C" SHOWS LUG, WHICH
COVERS JOINT.
- "D" SHOWS STEEL ANGLE
AND METHOD OF
BOLTING FRONT

FRONT MEASUREMENTS INSIDE

NO.,	0	26"	
"	1	30"	No., 1-A 33"
"	2	36"	No., 2-A 39"
"	3	42"	No., 3-A 45"
"	4	48"	
"	5	54"	
"	6	60"	



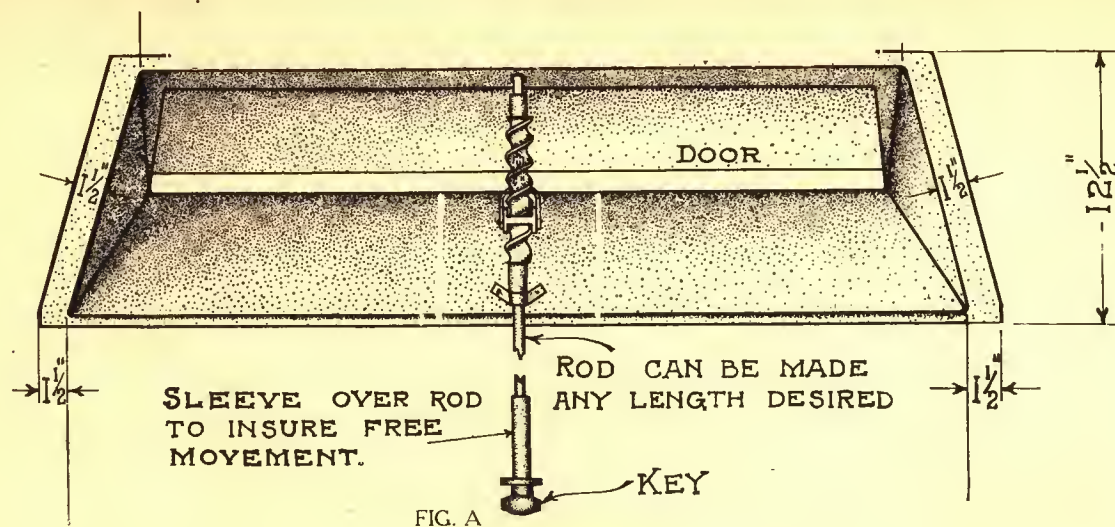
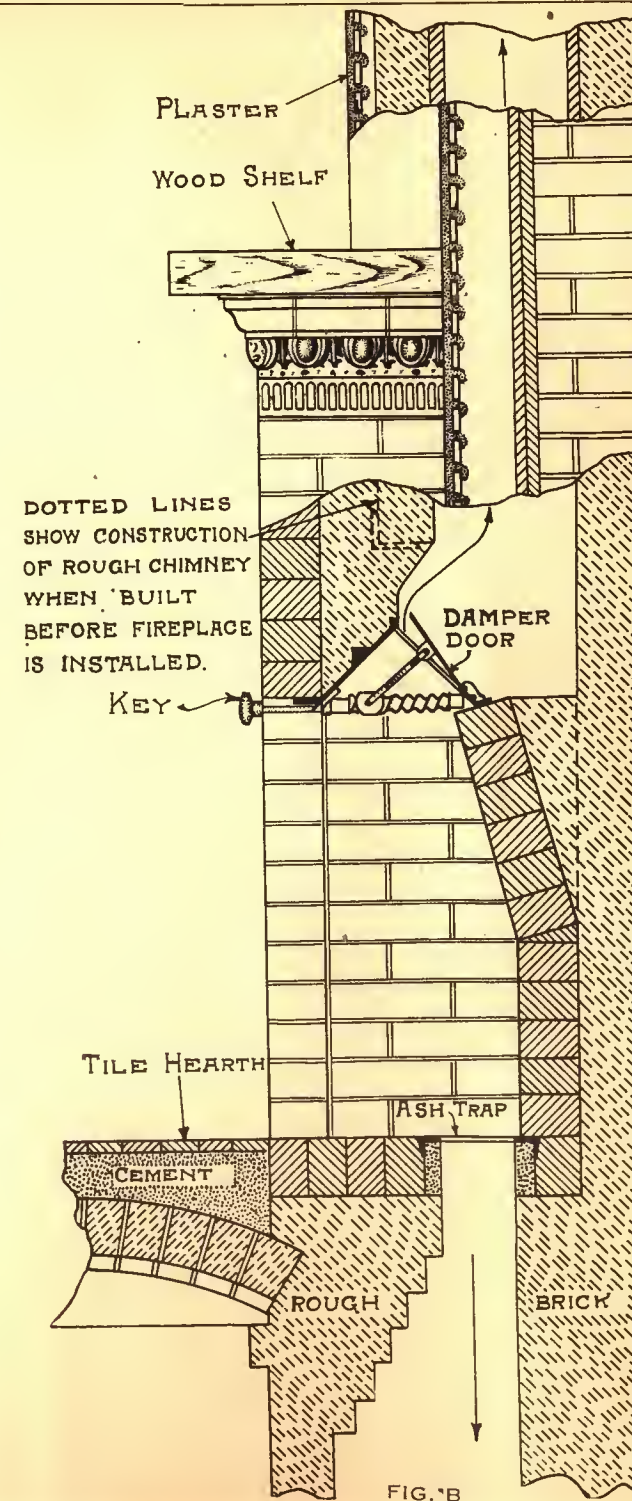


Fig. A. Colonial Head with operating Screw attachment in center. Used for Fireplaces with Arched opening as shown on page 5, furnished with operating Rod same length as regular style, 4-inches from Damper to Key. If longer rod is desired give extra length wanted. No extra charge for this style Damper or longer rod.

Fig. B. Section of Fireplace drawn to one-inch scale, shows how No. 0 Head may be used without Angle Bar for small size Fireplace openings, showing also how Damper door may be almost closed and yet allow plenty of draft under certain atmospheric conditions.



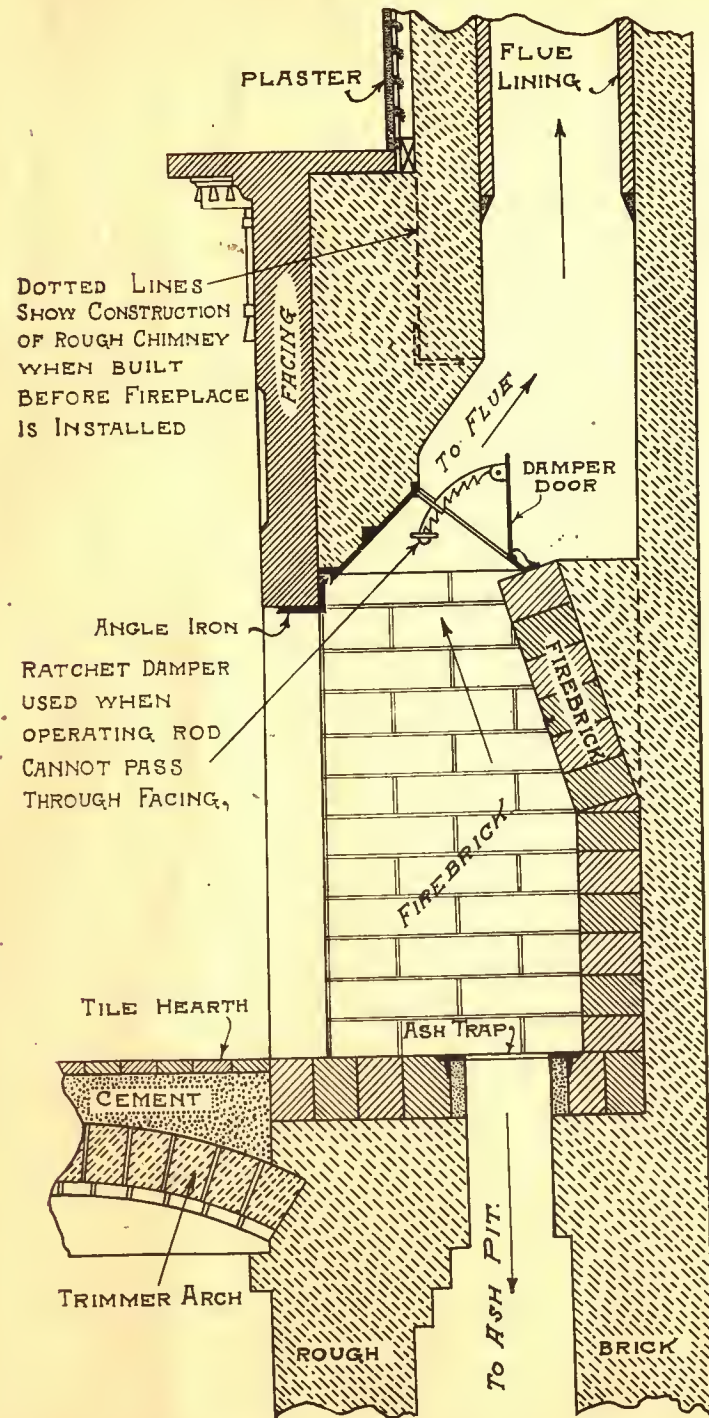


Fig. C

Fig. C. Section of fireplace shows the Colonial Head with ratchet opening device which may be used when it is not practical to pass a rod through the facing. The ratchet style damper lists at one dollar less than the regular pattern. See Fig. C drawn to one inch scale.

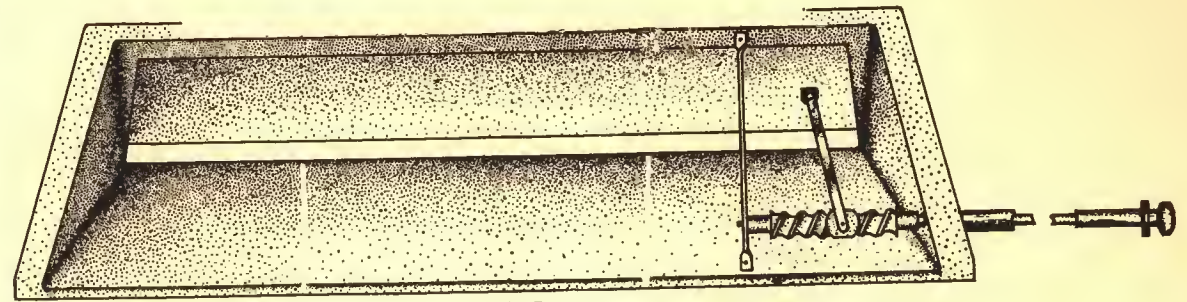


Fig. D

Fig. D. The Colonial Head Throat and Damper can also be operated from either end of the Fireplace and will be found convenient in many cases. See Fig. D. It can be used in Fireplaces standing out 8-inches or more into the room.

This style costs \$1.00 net extra. Operating rod is provided with iron pipe sleeve and made any length.

In ordering be sure and give width of finished Fireplace also width of opening stating whether Key is to be operated from the left or right hand side of fireplace.

Common Causes for Smoky Fireplaces

THE most common fireplace trouble is caused by improper construction just over the opening of the fireplace. At this important point we often find either absolute carelessness and neglect on the part of the mason, or an elaborate attempt to make a good job without the least idea as to what should be the proper lines and shape of the throat. See sketches 1, 2 and 3.

A Colonial Head Throat and Damper will insure perfect construction at this point.

Many times the back lining of the fireplace is brought forward to form a long narrow throat about three to four inches wide. See sketch No. 4. This is all right under certain weather conditions, depending also on the amount and kind of fuel, but as the atmosphere changes and the kind and quantity of fuel used varies, it is necessary to have the throat adjustable.

The Colonial Head Throat and Damper makes it possible to regulate the draft to meet all requirements.

The next greatest cause of fireplaces smoking is that flues of proper size have not been provided. In many cases an 8x8 flue is expected to take care of a fireplace having a four foot opening. We would recommend that no fireplace flue be less in area than 1-12 the area of the fireplace opening. It is better to have the flue a little larger than is necessary than not large enough.

A Colonial Head Throat and Damper will take care of, and regulate any excess in draft.

Another reason for many smoky fireplaces, caused usually through carelessness, is the following: When necessary to make an offset to a flue. Frequently it is not considered early enough and an abrupt sharp turn or angle of the flue is made to reach a desired point, which cramps the area and forms a level shoulder or ledge to catch dropping mortar or brick, thus choking an otherwise good flue. See sketch No. 5.

We would suggest that the flues be shown by dotted lines on plans, until the straight part is reached. If necessary to make sharp turns, an opening should be left in the brick work that they may be examined and cleaned out before furring and plastering.

Among the causes for fireplaces occasionally puffing out smoke into the room, the following reasons are found to be most common: The chimney does not extend high enough above the roof. This fault is especially noticeable, when chimneys are built on outside walls or in angles, and are surrounded with high gabled roofs and valleys. See sketch No. 6. All such chimneys should be built at least two feet above the highest point of the building.

Again in places where plenty height had been given the chimney, a large flat projecting cap of cut stone or concrete with openings much smaller than the flue size makes an ideal protection for the brick work, but just the thing to induce downdrafts and puffing, because of the great amount of level surface around the top of the flues. See sketch No. 7.

Flue linings when used should always extend above a cap of this kind five or six inches. See sketch No. 8.

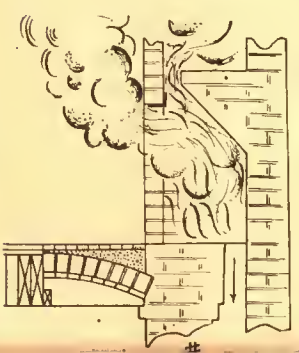
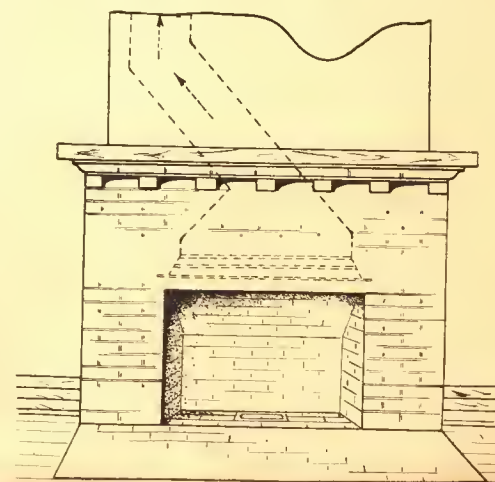
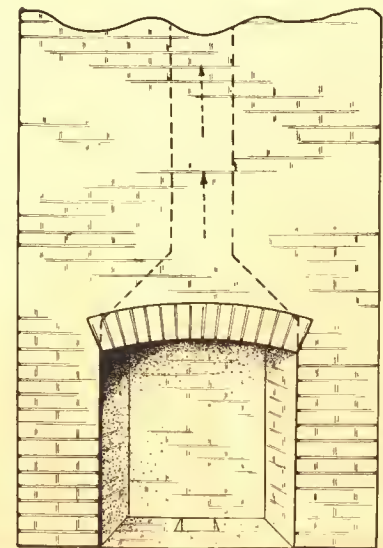
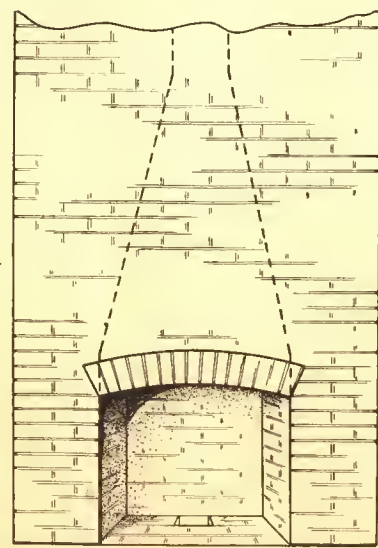
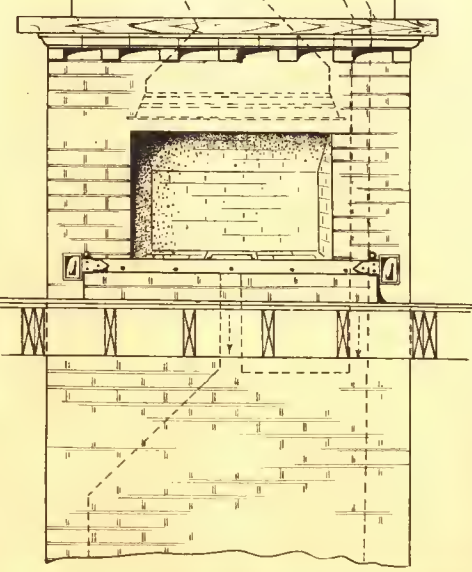
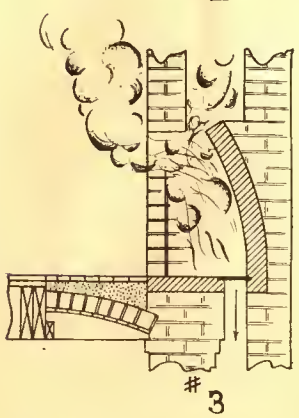
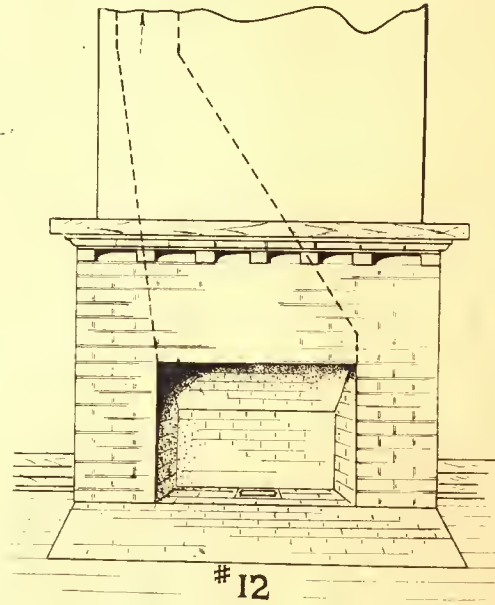
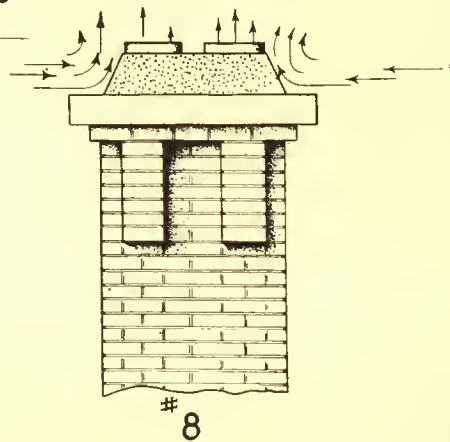
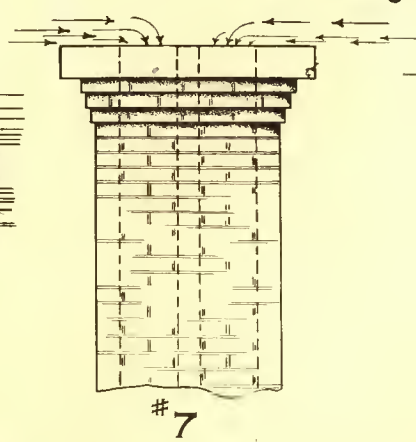
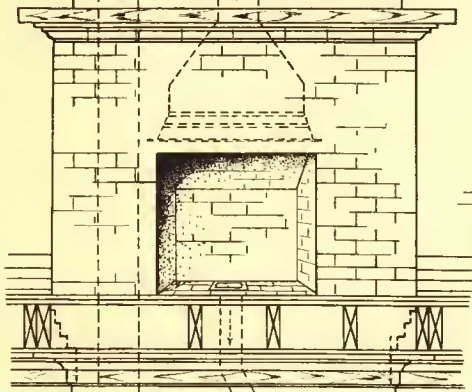
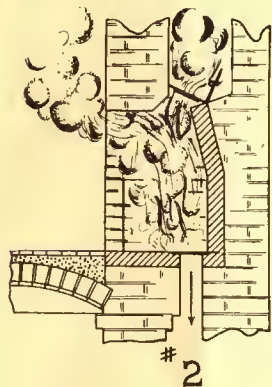
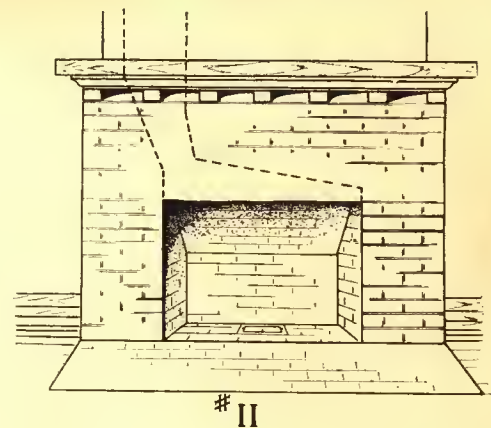
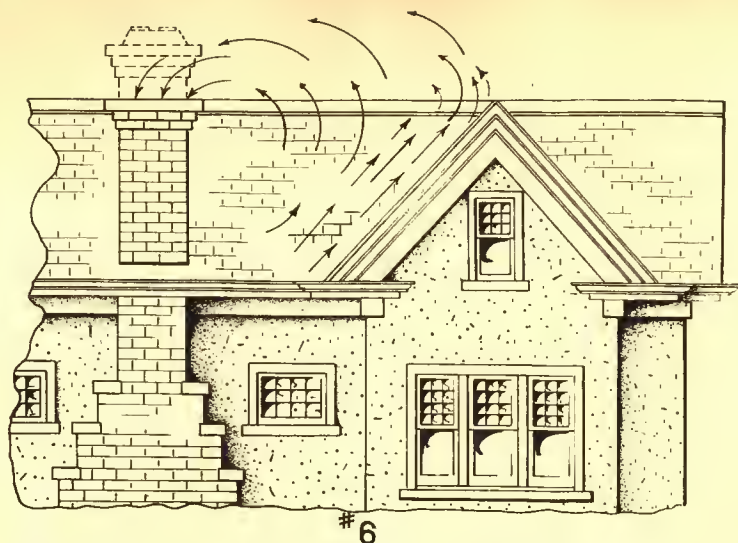
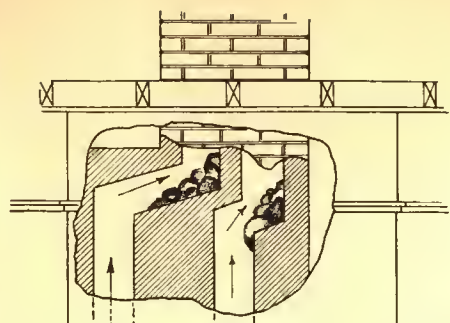
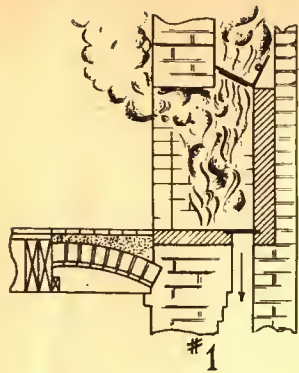
Narrowing or gathering the opening or throat of the fireplace to meet the size of flue is often another reason for smoke puffing out, and is caused by a too gradual drawing together of brick partitions over fire opening, before reaching size of flue, thus forming a large air chamber, which causes the draft to be sluggish and at times an eddy forces itself downward and out into the room. See sketches No. 9 and No. 12, and for correct method see sketches No. 10 and No. 13.

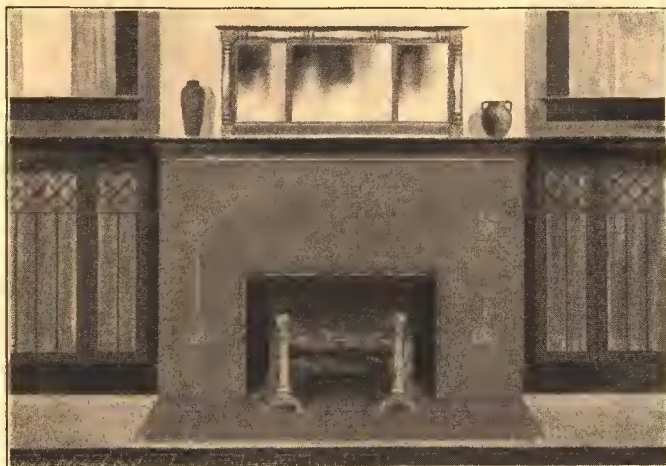
When constructing the rough brick work, before fireplace is installed, care should be taken that the rough opening is high enough so that the proper connections to throat may be formed when the fireplace is added. Sketch No. 11 is a sure smoker and very often encountered.

The Necessity of a Damper in a Fireplace During the Summer Time

All flues are liable to downdrafts under certain conditions. In summer time when the atmosphere is warmer outside than inside, the air in a flue will drop, causing a downward draft, and blow out soot over furniture, rugs, draperies, etc. At this time a damper is absolutely necessary to close the flue. Ventilation through the flue is not as important at this time of year, because windows are usually open, allowing plenty of ventilation. In the months, however, when the atmosphere is colder outside than inside, the flue forms the nearest thing to perfect ventilation in any room, if the damper is open, and to be able to regulate this, as one wishes, is indeed a constant source of delight.

We shall be glad to give estimates on material complete, F. O. B. Chicago, or your own city, on architect's fireplace designs sent to us. All material is carefully packed and shipped in barrels. Prompt attention given to all orders. See Sweet's Index; Pages 1538-1539.





No. 203

A SIMPLE ROOKWOOD IN MAT GLAZED FAIENCE TILE.

Size shown, 7 feet wide, 4 feet 6 inches high.

Opening, 3 feet 8 inches wide. Returns, 12 inches.

Front Hearth, 18 inches. Back Hearth, 12 inches.

Price\$88.00

Wood Shelf, Andirons, Logs, Lining and Damper not included in price.

This Fireplace can be made smaller if desired.



No. 18

Size shown, 5 feet 10 inches wide, 5 feet 6 inches high.

Opening, 2 feet 5 inches wide, 2 feet 6 inches high.

Price in Red Brick.....\$74.00



No. 27

Design in Roman Brick laid in Flemish Bond.

Size shown, 7 feet 4 inches wide, 5 feet high.

Opening, 3 feet 6 inches wide.

Price in Red Brick.....\$75.00

Price in Buff, Gray, Russet Brown or Cream Brick.... 88.00

Wood shelf is not included in these prices.



No. 98

Size shown, 6 feet wide, 5 feet 6 inches high.

Opening, 3 feet 3 inches wide, 2 feet 5 inches high.

Price in Red Brick.....\$67.00



No. 70

Size shown, 6 feet wide, 7 feet high.

Openings, 3 feet 10 inches wide, 2 feet 4 inches high.

Price in Red or Colonial Brick.....\$67.00

Price in other shades of Brick..... 78.00



No. 206

Extreme width at top of shelf, 5 feet 9 inches; height 4 feet 3 inches.

Wood Opening, 42 inches wide; 37 inches high.

Price with three coats of white paint, crated and delivered to depot at Chicago.....\$77.00

Tile or Brick Hearth, Selected Brick Facing, Fire brick Lining, Ash-trap, Angle-bar, Color for Mortar, drawings for proper Construction, and our COLONIAL HEAD THROAT AND DAMPER, complete 36.00

Above Mantle in Polished Mahogany Finish—
5 foot 9 inch size..... 84.00



No. 138

Size shown, 6 feet 2 inches wide, 4 feet 8 inches high.
Opening, 2 feet 8 inches wide, 2 feet 7 inches high.

Price in Red Brick.....\$ 78.00
Price in Buff, Gray, Russet Brown or Cream Brick... 100.00



No. 28

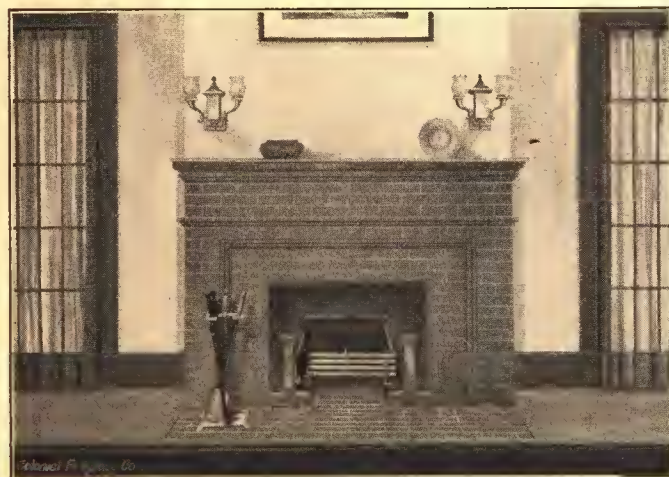
Size shown, 7 feet 6 inches wide, 4 feet 8 inches high.
Opening, 4 feet wide, 2 feet 7 inches high.
Price in Red Brick.....\$ 87.00
Price in Buff, Gray, Russet Brown or Cream Brick... 118.00



No. 12

Size shown, 6 feet 8 inches wide, 5 feet 2 inches high.
Opening, 4 feet wide, 2 feet 6 inches high.

Price in Red Brick.....\$ 92.00
Price in Buff, Gray, Russet Brown, or Cream Brick... 110.00
Brass Fender, \$12.30 extra list.
Andirons and Fire Set are not included in these prices.



No. 76

Size shown, 6 feet 3 inches wide, 4 feet 8 inches high.
Opening 37 inches wide.

Price in Red Brick.....\$66.00
Price in Buff, Gray, Russet Brown or Cream Brick... 73.00



No. 108

Size shown, 6 feet 2 inches wide, 3 feet 4 inches high.
Opening, 4 feet 6 inches wide, 2 feet 6 inches high.
Price in Red Brick.....\$62.00
Price in Buff, Gray, Russet Brown or Cream Brick.... 78.00
Wood Shelf is not included in these prices.



No. 38

Size shown, 7 feet 6 inches wide, 4 feet 7 inches high.
Opening, 3 feet 10 inches wide, 2 feet 6 inches high.

Price in Red Brick.....\$80.00
Price in Buff, Gray, Russet Brown, or Cream Brick.... 98.00

Designs showing raised hearths make it unnecessary to use the regular tile floor hearth. Rugs may be laid close up to the fireplace. Wrought iron fender fastened to the brick facing, and included in our price, keeps all ashes inside. This style of fireplace has many advantages. Any of our brick designs can be furnished this way if desired without extra cost. Brass fenders, \$12.30 extra (list price). See page 16 for Fenders and Hoods.

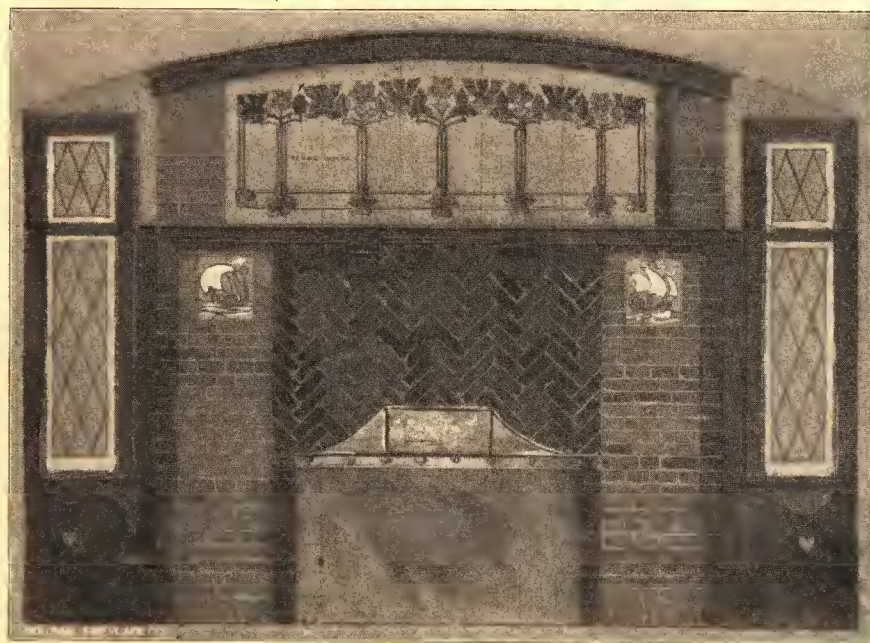
THREE PRIZE FIREPLACE DESIGNS

SUBMITTED BY

THE CHICAGO ARCHITECTURAL CLUB

IN COMPETITION FOR THE

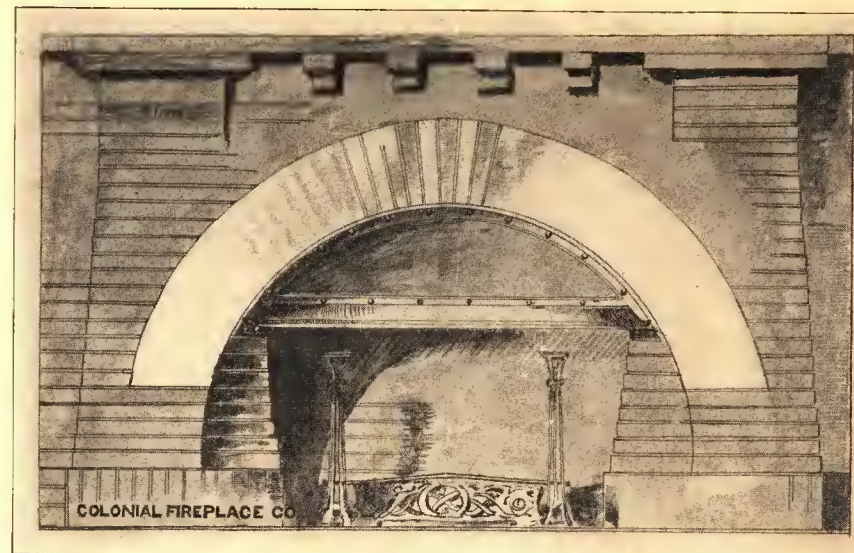
COLONIAL FIREPLACE COMPANY



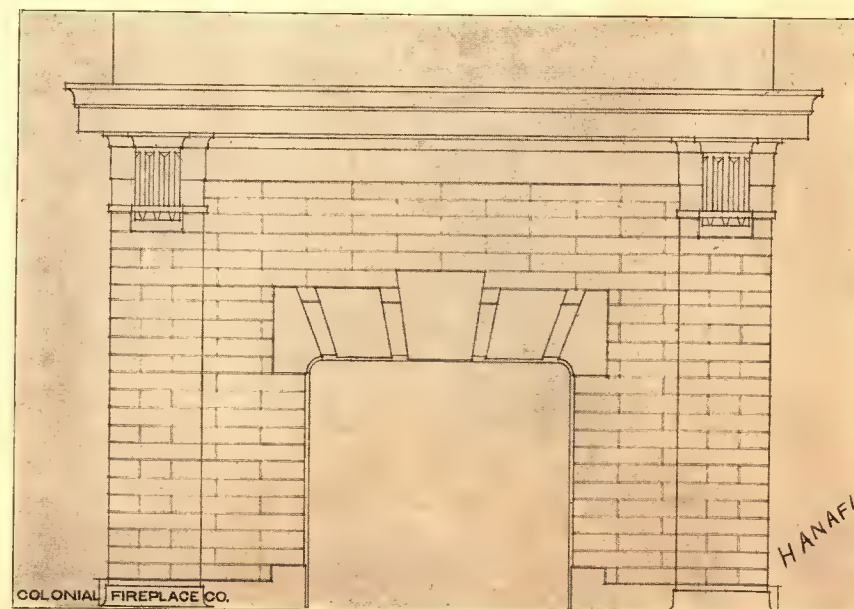
FIRST PRIZE

We shall be pleased to estimate on Architect's Special Fireplace Designs, including all material and furnish full size detail for it's erection.

* SEE SWEET'S INDEX PAGES 1538 and 1539.

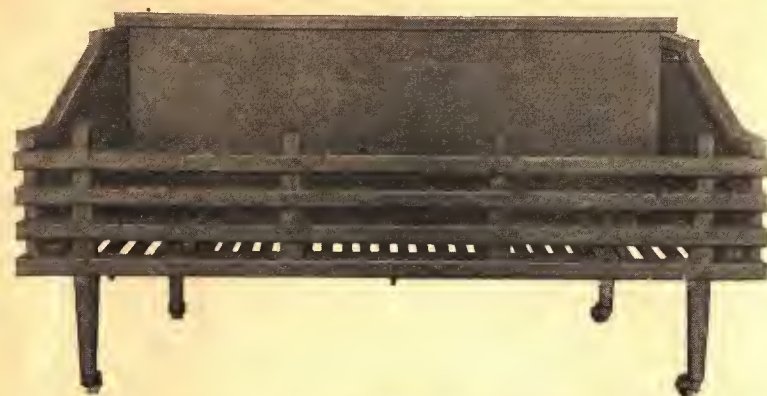


SECOND PRIZE

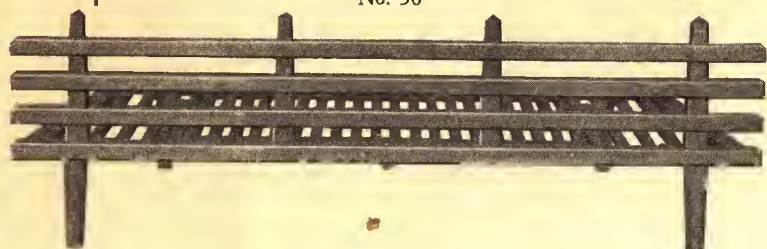


THIRD PRIZE

PORTABLE BASKET GRATES



No. 30



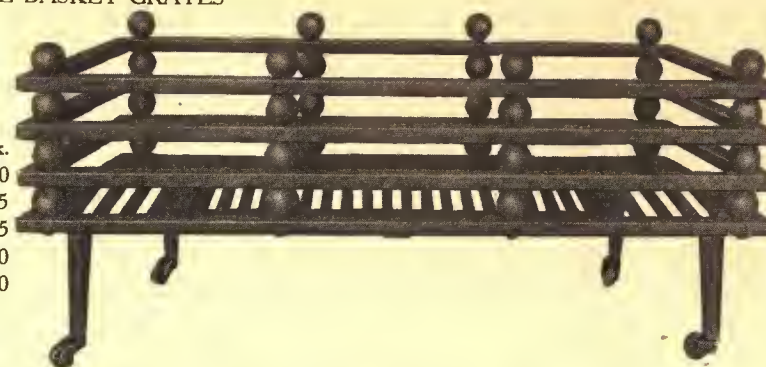
No. 14 Special

Club House Grate

Made extra heavy for large fireplace openings, retaining full size of grate surface, to burn coal or wood. Andirons may be used. Grate contains dumping bottom. Made any width or depth from 24 to 48 inches wide and from 12 to 20 inches deep. Price from \$7.50 to \$19.00.

In ordering this grate send measurements of Fireplace opening, showing width at back and front, also depth.

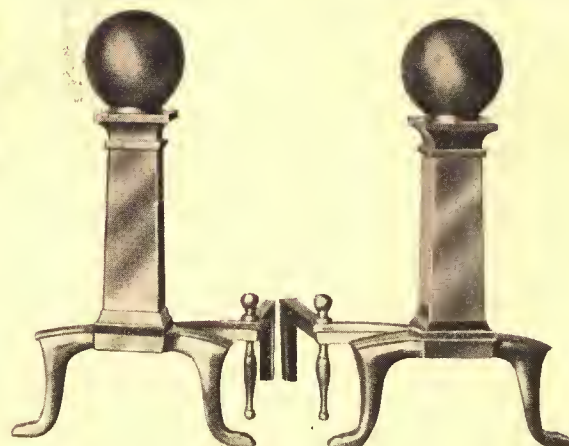
Front.	Back.	Black.
21 in.	16 in....	\$ 8.00
24 in.	19 in....	8.75
27 in.	22 in....	9.75
30 in.	25 in....	12.00
36 in.	31 in....	15.00



No. 32

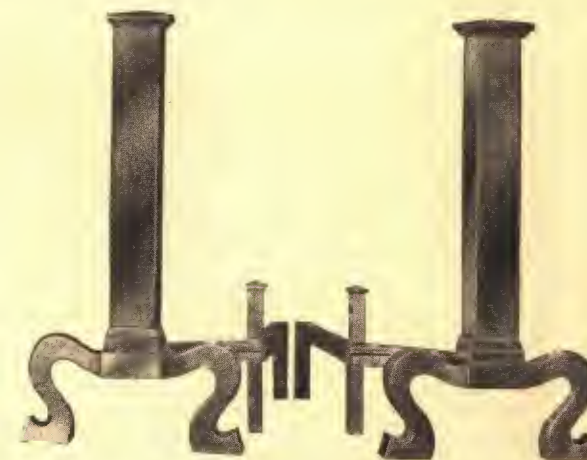
Front.	Back.	Black.
21 in.	16 in....	\$10.50
24 in.	19 in....	11.50
27 in.	22 in....	12.50
30 in.	25 in....	14.00
36 in.	31 in....	15.50

BRASS ANDIRONS—Polished or Brush Brass Finish



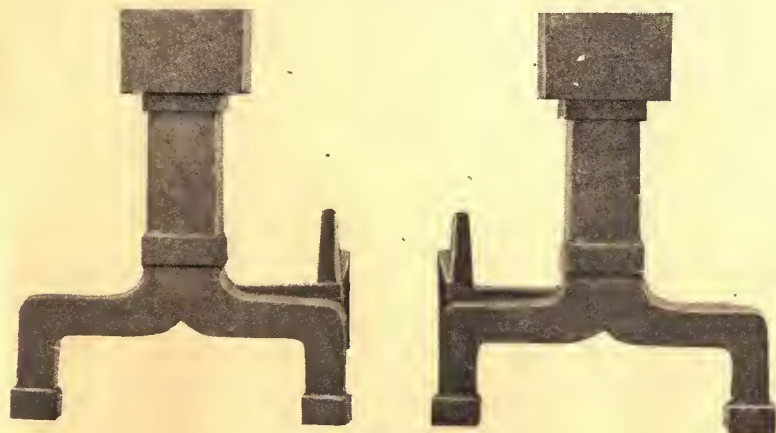
No. 38

19 inches high.....\$30.00



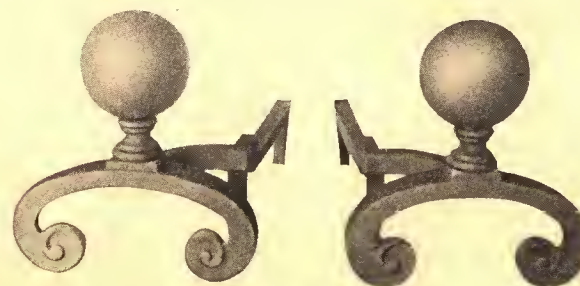
No. 58

20 inches high.....\$27.00

BLACK LUSTERLESS WROUGHT IRON FINISH
ANDIRONS

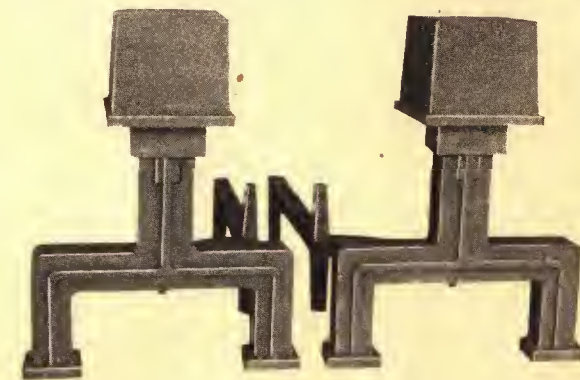
No. 5

13½ inches high, Black Iron, per pair.....\$6.40



No. 9

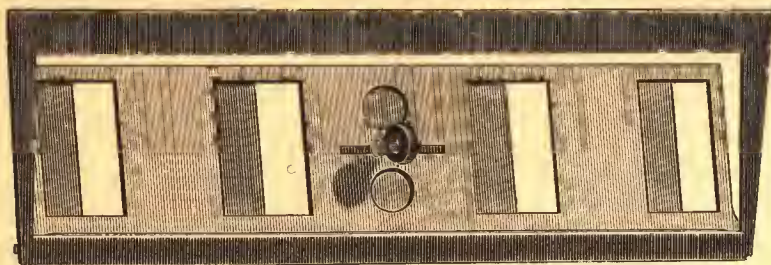
12½ inches high, 5-inch balls circular shanks, per pair...\$9.00



No. 10

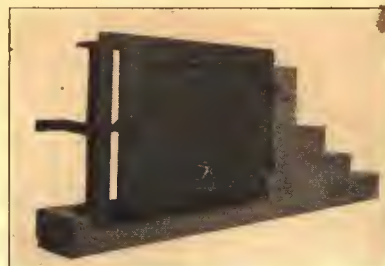
14 inches high, circular shanks, per pair.....\$8.00
18 inches high, per pair.....\$8.75

COMMON FLUE DAMPER



No. 27

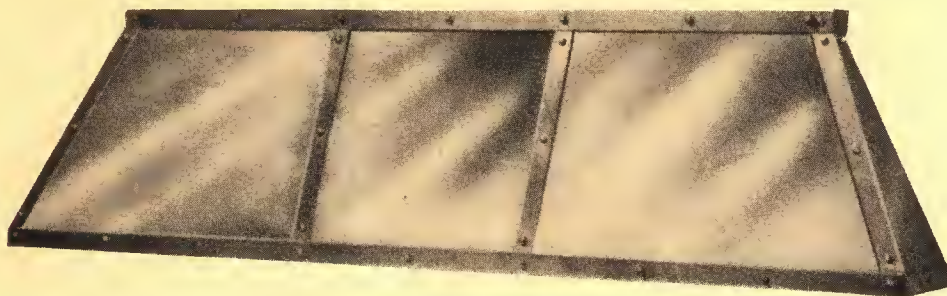
21 inches long, 7 inches wide. Each.....	\$1.40
27 inches long, 7 inches wide. Each.....	1.65
30 inches long, 7 inches wide. Each.....	2.20



IRON ASH PIT DOOR

Made with side anchors, and reversible
for right or left hand. Size 10x14.
Price\$2.25

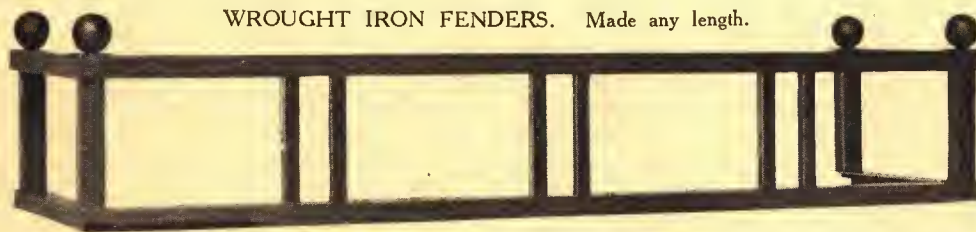
WROUGHT IRON AND BRASS HOODS



No. 9

Made to order in Iron, Brass or Copper; also made with Copper or Brass Panels and Frame of Wrought Iron.
Price in Wrought Iron for proper size hood up to 3 foot fireplace opening.....\$17.50
Price in Brass.....26.00

WROUGHT IRON FENDERS. Made any length.

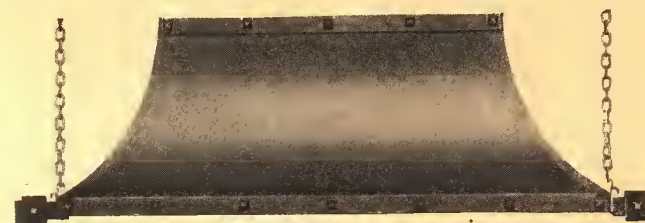


No. 60

8½ inches high, 41 or 47 inches long.....\$11.00

WROUGHT IRON HOOD, CRANE, KETTLE AND FENDER

Made to order any size.



Outfit No. 6

Complete outfit for any size fire opening up to 3 feet wide.....\$45.00
For any size fire opening up to 4 feet wide.....53.00
In ordering, it is best to send a rough sketch of entire fire place with sizes filled in.
Hood separate.....\$25.00 Fender, for raised fireplace.. 7.50
Crane 7.75 Kettle 6.50
Prices in Brass and Copper furnished on request.

FIRE SETS



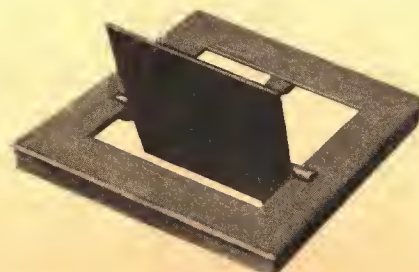
No. 14

Black Lusterless Finish, Height, 27 inches.
Price.....\$8.50



No. 16

Black Lusterless Finish, Height, 24 inches.
Price.....\$4.60

The best common
ASH-TRAP
No. 20

Made heavy and
with deep flange to
keep it in place. Size
9x9 inches.

Price\$1.00

SEND FOR CATALOG
CONTAINING FULL LINE OF
FIREPLACE FURNISHINGS
PRICES SUBJECT TO DISCOUNT

Colonial
Fireplace Company
Chicago